

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A bone dowel (10) for ~~receiving an inserted~~inserting a screw, for example for to mutually fixing of bone fragments by means of an osteosynthesis plate, the dowel comprising~~having the following features:~~

- a dowel jacket (12) comprising a head part and a base part and further having a ~~of~~ circular cross section, being conically shaped ~~gently conical~~ on the outside, tapering from the dowel head to the dowel base, and having ~~has a~~ through-hole (14) with a uniform cross section along a its length of the dowel;

- the dowel jacket (12) further having ~~is interrupted along a generating line by a~~ continuous longitudinal slit (16), ~~by which means the dowel jacket acquires~~ providing a continuously C-shaped cross section of the dowel;

- a limiting head flange (18) ~~in the form of~~ comprising a countersunk head is-formed integrally on the head part;

- a bevel ~~the head part of the dowel jacket is provided~~; in the area of the longitudinal slit (16), with a bevel and on the head part, the bevel having a ~~whose width that~~ decreases from the head part inward ~~toward the dowel jacket; and~~

- ~~the dowel jacket has~~ annular ribs (25) distributed with axial spacings along it's the entire length of the dowel jacket.

2. (Currently Amended) The bone dowel (10) as claimed in claim 1, wherein the annular ribs (25) ~~are designed with~~ include sharp edges, are ~~and in~~ the form of barbs, and comprise ~~they have a~~ steep flank (26) directed toward the dowel head part, and a gentle flank (28) directed toward the dowel base part.

3. (Currently Amended) The bone dowel (10) as claimed in claim 1, further comprising in which the dowel jacket additionally has longitudinal ribs (22) and longitudinal webs (30), disposed on the dowel jacket to secure the dowel ~~as means of securing against~~ rotation.

4. (Currently Amended) The bone dowel (10) as claimed in claim 3, in which the longitudinal webs (30) each extend between the annular ribs (25a), and the webs have an their outer edge extending ~~in to the~~ a maximum radial height of the annular ribs.

5. (Currently Amended) The bone dowel (10) as claimed in claim 4, in which the axially adjacent longitudinal webs (30) are each mutually offset in the circumferential direction.

6. (Currently Amended) The bone dowel (10) as claimed in claim 2, in which the gentle trailing flanks (28) of the ribs directed toward the base part are of cone-shaped configuration and each extends as far as the steep leading flank (26) ~~of the~~ a following one of the annular ribs (25a).

7. (Currently Amended) The bone dowel (10) as claimed in claim 1, ~~in which~~ wherein the bevel is configured as a V-shaped inlet aperture (32) of the longitudinal slit (16).

8. (Currently Amended) The bone dowel (10) as claimed in claim 1, wherein ~~in which, in the head part, the dowel jacket has~~ longitudinal ribs (22) ~~whose~~ have a height that decreases from the head flange (18) toward the first transverse rib.

9. (Currently Amended) The bone dowel (10) as claimed in claim 1, ~~in which the~~ wherein the dowel jacket base part has a dome shape, and there is a last annular rib in the base part that merges into a the dome-shaped shape of the dowel jacket base part (34).

10. (Currently Amended) The bone dowel (10) as claimed in claim 1, ~~in which~~ wherein the dowel ~~and/or the screw is made of~~ absorbable material.

11. (New) A bone dowel for receiving an inserted screw to mutually fix bone fragments by means of an osteosynthesis plate, the dowel comprising:

a dowel jacket comprising a head part and a base part and further having a circular cross section, being conically shaped on the outside, tapering from the dowel head to the dowel base, and having a through-hole with a uniform cross section along a length from the head part to the base part;

the dowel jacket further having a continuous longitudinal slit providing a continuously C-shaped cross section of the dowel;

a limiting head flange comprising a countersunk head formed integrally on the head part;

a bevel in the area of the longitudinal slit and on the head part, the bevel having a width that decreases from the head part inward;

annular ribs distributed with axial spacings along the entire length of the dowel jacket;

and

longitudinal ribs and longitudinal webs disposed on the dowel jacket to secure the dowel against rotation.

12. (New) A bone dowel for receiving an inserted screw to mutually fix bone fragments by means of an osteosynthesis plate, the dowel comprising:

a dowel jacket comprising a head part and a base part and further having a circular cross section, being conically shaped on the outside, tapering from the dowel head to the dowel base, and having a through-hole with a uniform cross section along a length of the dowel;

the dowel jacket further having a continuous longitudinal slit providing a continuously C-shaped cross section of the dowel;

a limiting head flange comprising a countersunk head formed integrally on the head part;

a bevel in the area of the longitudinal slit and on the head part, the bevel having a width that decreases from the head part inward;

annular ribs distributed with axial spacings along the entire length of the dowel; and

longitudinal ribs and longitudinal webs, disposed on the dowel jacket to secure the dowel against rotation, the longitudinal webs each extend between the annular ribs, and the webs have an outer edge extending to a maximum radial height of the annular ribs.

13. (New) A bone dowel for receiving an inserted screw to mutually fix bone fragments by means of an osteosynthesis plate, the dowel comprising:

a dowel jacket comprising a head part and a base part and further having a circular cross section, being conically shaped on the outside, tapering from the dowel head to the dowel base, and having a through-hole with a uniform cross section along a length of the dowel;

the dowel jacket further having a continuous longitudinal slit providing a continuously C-shaped cross section of the dowel;

a limiting head flange comprising a countersunk head formed integrally on the head part;

a bevel in the area of the longitudinal slit and on the head part, the bevel having a width that decreases from the head part inward; and

annular ribs distributed with axial spacings along the entire length of the dowel jacket; and

longitudinal ribs and longitudinal webs disposed on the dowel jacket to secure the dowel against rotation and said longitudinal webs are each mutually offset in the circumferential direction.

14. (New) A bone dowel for receiving an inserted screw to mutually fix bone fragments by means of an osteosynthesis plate, the dowel comprising:

a dowel jacket comprising a head part and a base part and further having a circular cross section, being conically shaped on the outside, tapering from the dowel head to the dowel base, and having a through-hole with a uniform cross section along a length of the dowel;

the dowel jacket further having a continuous longitudinal slit providing a continuously C-shaped cross section of the dowel;

a limiting head flange comprising a countersunk head formed integrally on the head part;

a bevel in the area of the longitudinal slit and on the head part, the bevel having a width that decreases from the head part inward; and

annular ribs distributed with axial spacings along the entire length of the dowel; and

longitudinal ribs and longitudinal webs disposed on the dowel jacket to secure the dowel against rotation, the longitudinal ribs have a height that decreases from the head flange toward the first transverse rib.

15. (New) A bone dowel for receiving an inserted screw to mutually fix bone fragments by means of an osteosynthesis plate, the dowel comprising:

a dowel jacket comprising a head part and a base part and further having a circular cross section, being conically shaped on the outside, tapering from the dowel head to the dowel base, and having a through-hole with a uniform cross section along a length of the dowel;

the dowel jacket further having a continuous longitudinal slit providing a continuously C-shaped cross section of the dowel;

a limiting head flange comprising a countersunk head formed integrally on the head part;

a bevel in the area of the longitudinal slit and on the head part, the bevel having a width that decreases from the head part inward; and

annular ribs distributed with axial spacings along the entire length of the dowel jacket, and a last annular rib in the base part that merges into the dome shape of the dowel jacket base part.